



PROGRAMME

59th International Symposium on Crop Protection

**May 22, 2007
Gent
Belgium**

PATRONS

Faculty of Bioscience Engineering, Ghent University

Fund for Scientific Research - Flanders

BASF, Brussels, Belgium

Bayer CropScience, Brussels, Belgium

Belchim, Londerzeel, Belgium

Biobest Biological Systems, Westerlo, Belgium

Certis Europe, Brussels, Belgium

Dow Agrosciences, Edegem, Belgium

Eijkelkamp, Giesbeek, the Netherlands

Fytolab, Gent, Belgium

Janssen PMP, Beerse, Belgium

Lemnatec, Würselen, Germany

Microbiotests, Nazareth, Belgium

Noldus, Wageningen, the Netherlands

Novolab, Geraardsbergen, Belgium

Springer, Dordrecht, the Netherlands

Syngenta Crop Protection, Ruisbroek, Belgium

Taminco, Gent, Belgium

Thermo Fisher Scientific, Zellik, Belgium

VWR International, Leuven, Belgium

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J. VAN DEN BRANDE (†), W. WELVAERT**

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GENERAL PROGRAMME

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|---------|-------------|---|
| May, 21 | 15.00-18.00 | REGISTRATION |
| May, 22 | 08.00 | REGISTRATION |
| | 09.30-11.00 | PLENARY SESSION |
| | 11.00-13.00 | ORAL SESSIONS |
| | 13.00-14.00 | LUNCH |
| | 14.00-15.00 | POSTER SESSION |
| | 15.00-17.20 | ORAL SESSIONS |
| | 17.30 | RECEPTION |
| | 19.30 | BANQUET Het Pand Ghent University Onderbergen 1, 9000 Gent |

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| Chair | P. DE CLERCQ (Laboratory of Agrozoology, Department of Crop Protection, Ghent University, Gent, Belgium) |
| Vice-chair | R. BULCKE (Laboratory of Herbology, Department of Plant Production, Ghent University, Gent, Belgium) M. HÖFTE (Laboratory of Phytopathology, Department of Crop Protection, Ghent University, Gent, Belgium) M. MOENS (Laboratory of Agrozoology, Department of Crop Protection, Ghent University & ILVO, Merelbeke, Belgium) G. SMAGGHE (Laboratory of Agrozoology, Department of Crop Protection, Ghent University, Gent, Belgium) W. STEURBAUT (Laboratory of Pesticide Chemistry, Department of Crop Protection, Ghent University, Gent, Belgium) L. TIRRY (Laboratory of Agrozoology, Department of Crop Protection, Ghent University, Gent, Belgium) |
| Secretary | P. SPANOGHE (Laboratory of Crop Protection Chemistry, Department of Crop Protection, Ghent University, Gent, Belgium) |

9:30 **P. DE CLERCQ** (Laboratory of Agrozoology, Department of Crop Protection, Ghent University, Gent, Belgium)

- Introduction by the chair

09:40 **J.S. BALE** (School of Biosciences, University of Birmingham, Birmingham B15 2TT, UK)

- Biological control: environmentally friendly or a risky business ?

Scientific prize “Professor Jozef Van den Brande”

10:10 **H.E. HUMMEL** (Justus Liebig University Giessen, Giessen, Germany)

- The Western Corn Rootworm *Diabrotica virgifera virgifera*, a challenge to agricultural entomologists, geneticists, epidemiologists and crop protection engineers

10:40 Coffee

Room: E015

Chair **N.L. BROOKER** (Pittsburg State University, Pittsburg, USA)

Vice-Chair **B. HEREMANS** (Hogent, Gent, Belgium)

Secretary **B. RYCKAERT** (Ghent University, Gent, Belgium)

11:00 **B. HEREMANS**, S. ISEBAERT, R. VERHOEVEN & G. HAESAERT (University College Ghent, Gent, Belgium)

- Effect of adjuvants on the efficiency of dimethomorph plus mancozeb (Acrobat 2 kg/ha) to control late blight.

11:20 **N.L. BROOKER**, C.D. LAGALLE, A. ZLATANIC, I. JAVNI & Z. PETROVIC (Pittsburg State University, Pittsburg, USA)

- Soy polyol formulations as novel seed treatments for the management of soil-borne diseases of soybean.

11:40 **B. RYCKAERT**, P. SPANOGHE & W. STEURBAUT (Ghent University, Gent, Belgium)

- Efficiency and possibilities of tank-mix adjuvants in crop protection.

12:00 **A. TER HALLE**, J. WISZNIOWSKI, F. BONNEMOY, J-L. BONNET, J. BOHATIER & C. RICHARD (Laboratoire de Photochimie Moléculaire et Macromoléculaire, Aubière, France)

- Photo transformation of pesticides on plant leaves. The case of a triketonic herbicide.

12:20 **M. DESCHAMPHELEIRE**, D. SPANOGHE, D. NUYTTENS, K. BAETENS & W. CORNELIS (Ghent University, Gent. ILVO, Merelbeke. KULeuven, Leuven, Belgium)

- Pesticide spray drift is affected by the physicochemical properties of the spray liquid.

12:40 **B. HEREMANS**, S. ISEBAERT, R. VERHOEVEN & G. HAESAERT (University College Ghent, Gent, Belgium)

- The efficiency of adjuvants combined with flupyrsulfuron-methyl + metsulfuron-methyl (Lexus XPE) on weed control.

13:00 Lunch

14:00 Posters

14:45 Coffee

Room: E010

Chair J-P. JANSEN (Walloon Centre of Agricultural Research, Gembloux, Belgium)

Secretary S. CLAEYS (Ghent University, Gent, Belgium)

11:00 **E. VAN WAMBEKE** (Certis Europe BV, Brussel, Belgium)

- Combinations of reduced rates of 1,3-dichloropropene and dazomet as a broad spectrum soil fumigation strategy in view of methyl-bromide replacement.

11:20 **D. NUYTTENS, D. DEKEYSER, M. DE SCHAMPHELEIRE, K. BAETENS & B. SONCK** (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium. Ghent University, Gent, Belgium. Catholic University of Leuven, Leuven, Belgium)

- The effect of air support on droplet characteristics and spray drift.

11:40 **E. BRUSSELMAN, W. STEURBAUT & B. SONCK** (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium and Ghent University, Gent, Belgium)

- Optimizing the application of entomopathogenic nematodes: experimental set-up.

12:00 **M.G. GERRITSEN-EBBEN, D.H. BROUWER & J.J. VAN HEMMEN** (TNO Quality of Life, Food and Chemical Risk Analysis, Zeist, the Netherland)

- Personal protective equipment for registration purposes of pesticides.

12:20 **S. CLAEYS & W. STEURBAUT** (Ghent University, Gent, Belgium)

- Exposure of the Belgian population to pesticide residues by food: a deterministic and probabilistic approach.

13:00 Lunch

14:00 Posters

14:45 Coffee

Room: E010

Chair J-P. JANSEN (Walloon Centre of Agricultural Research, Gembloux, Belgium)

Secretary S. CLAEYS (Ghent University, Gent, Belgium)

15:00 **G. PERSOONE** (Ghent University, Gent, Belgium and MicroBioTest Inc., Nazareth, Belgium)

- A rapid microbiotest for determination of soil toxicity to higher plants.

15:20 **L. HAUTIER, J-P. JANSEN, N. MABON & B. SCHIFFERS** (Walloon Centre of Agricultural Research, Gembloux, Belgium)

- Pesticides selectivity list to beneficial arthropods in four field vegetable crops.

15:40 **L. HAUTIER, J-P. JANSEN, N. MABON & B. SCHIFFERS** (Walloon Centre of Agricultural Research, Gembloux, Belgium)

- Influence of organic matter on bio-availability of carbosulfan and its toxicity on Carabidae.

16:00 **Y.Y. MOSLEH** (Suez Canal University, Ismailia, Egypt)

- Residue effects of isoproturon in mature earthworm (*Lumbricus terrestris* L.) under laboratory conditions.

16:20 **B.K. NGUYEN, J. WIDART, E. DE PAUW & E. HAUBRUGE** (Gembloux Agricultural University, Gembloux, Belgium and University of Liege, Sart-Tilman, Belgium)

- Evaluation of risk factors implied in the honeybee collapse in the south part of Belgium.

Room: E015

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|------------|---|
| Chair | A.J.W. ROTTEVEEL (Plant Protection Service, Wageningen, the Netherlands) |
| Vice-chair | B. WEICKMANS (CRA-W, Pesticide Research Department, Gembloux, Belgium) |
| Secretary | E. MECHANT (Ghent University, Gent, Belgium) |

15:00 **G. HAESAERT**, V. DERYCKE, T. STOPP & J. LATRÉ (University College of Ghent, Gent, Belgium)

- Combined weed control systems for maize.

15:20 **A. KISMANYOKY** & E. LEHOCZKY (University of Pannonia, Keszthely, Hungary)

- Survey of weed composition before maize sowing in a long-term fertilization experiment.

15:40 **A. HAMAL**, S.B. ALAOUI, M. BENBELLA, M. BOUHACHE & T. AMEZIANE (INRA, CRRA, Meknès, Morocco)

- Integrated control of ripgut brome (*Bromus rigidus*) in durum wheat in the Saïs region of Morocco.

16:00 **L. BLINDEMAN** & M-C. VAN LABEKE (Research Centre for Ornamental Plants, Destelbergen, Belgium and Ghent University, Gent, Belgium)

- Chemical control of plant habitus in summer-to-autumn flowering chrysanthemum (*Dendranthema grandiflora*).

16:20 **M. THIERON**, W. KERRES & A.A. SCHÄFFER (ARGUS Monitoring, Alsdorf, Germany)

- A new weed control strategy in onion culture.

16:40 **G. PERSOONE** (Ghent University, Gent, Belgium en MicroBioTests Inc, Nazareth, Belgium)

- The Phytotestkit: a practical tool for early growth measurements in plants.

Room: E012

Chair H.E. HUMMEL (Justus Liebig University Giessen, Giessen, Germany)
 Vice-chair A.K. MOURAD (Alexandria University, Alexandria, Egypt)
 Secretary B. VANDEKERKHOVE, M. BONTE (Ghent University, Gent, Belgium)

11:00 **F. VERHEGGEN**, E.G. SCHWARTZBERG, E. HAUBRUGE & J. TUMLINSON
 (Gembloux Agricultural University, Gembloux, Belgium and Penn State University, State College, USA)

- Emission of alarm pheromone in aphids: a contagious phenomenon ?

11:20 **J-M. RABASSE**, A. GERIA & J. MOLINARI (Institut National de la Recherche Agronomique, Sophia Antipolis, France)

- The cypress aphids in the south of France.

11:40 **P. MENOZZI**, A. OUIN, J. ACHALEKE, B. BOUYJOU, M. COULON, S. PONSARD & J.P. SARTHOU (Cirad, INRA, Castanet Tolosan Cedex, France)

- Using stable isotopes to trace origin, host plants and migration of an aphidophagous hoverfly and a cotton pest.

12:00 **N. BERKVEN**S, J. BONTE, D. BERKVEN, L. TIRRY & P. DE CLERCQ (Ghent University, Gent, Belgium)

- Influence of biotic and abiotic factors on the fitness of a laboratory and two field populations of *Harmonia axyridis* (Pallas) (Coleoptera: Coccinellidae).

12:20 **A. ALHMEDI**, E. HAUBRUGE, B. BODSON & F. FRANCIS (Gembloux Agricultural University, Gembloux, Belgium)

- Intraguild interactions of aphidophagous predators in fields: effect of *Coccinella septempunctata* and *Episyrphus balteatus* occurrence on aphid infested plants.

12:40 **A. VERGHESE** & K. SREEDEVI (Indian Institute of Horticultural Research, Bangalore, Karnataka, India)

- Foraging ecology of aphidophagous predators against *Aphis punicae* Passerini.

13:00 Lunch

14:00 Posters

14:40 Coffee

- 15:00 **B. VANDEKERKHOVE**, E. VAN BAAL, K. BOLCKMANS & P. DE CLERCQ (Ghent University, Gent, Belgium and Koppert BV, Berkel en Rodenrijs, the Netherlands)
- A rapid method for assessing fecundity of *Macrolophus pygmaeus* reared on artificial diets.
- 15:20 **D. RICHTER**, H. SERMANN, B. JÄCKEL & C. BÜTTNER (Humboldt-Universität and Pflanzenschutzamt, Berlin, Germany)
- Efficiency of the entomopathogenic fungi against pupae of *Cameraria ohridella*.
- 15:40 **M. BALDESSARI**, F. TRONA, S. OLIVIERO & G. ANGELI (ISMA Research Center, San Michele all'Adige, Italy)
- Evaluation of different insecticides and strategies against *Cacopsilla melano-neura* (Homoptera: Psyllidae), a vector of apple proliferation phytoplasma.
- 16:00 **V. BULLANGPOTI**, S. VISETON, J. MILNE, M. MILNE, C. SUDTHONGKONG & S. PORNBANLUALAP (Kasetart University, Mahidol University, Ministry of Agriculture and Cooperatives, Bangkok and Sumatsakhon Coastal Fisheries Research and Development Center, Samutsakhon, Thailand)
- Effect of pericarp mangosteen fruit extract and imidacloprid to *Nilaparvata lugens* (Stal.) and non-target organisms: toxicity, detoxification mechanism and gene expression
- 16:20 **A. GRYSPEIRT**, J-C. GRÉGOIRE (Université Libre de Bruxelles, Brussel, Belgium)
- Management of the pest resistance to Bt plants synthesizing two Cry toxins.
- 16:40 H.A. MESBAH, A.S.A. SAAD, **A.K. MOURAD**, F.A. TAMAN & I.B. MOHAMED (Alexandria University, Alexandria, Egypt)
- Joint action of quercetin with four insecticides on the cotton leaf worm larvae, *Spodoptera littoralis* Boisd. (Lep., Noctuidae) in Egypt.
- 17:00 **F. SIMON** & M. NADASY (University of Pannonia Georgikon, Keszthely, Hungary)
- Comparing walnut pests in orchards and home gardens.

SECTION 5

NEMATOLOGY

Room: E009

Chair **D. DE WAELE** (Katholieke Universiteit Leuven, Leuven, Belgium)

Vice-chair **P. TIMPER** (USDA ARS, Tifton, USA)

Secretary **N. VIAENE** (ILVO, Merelbeke, Belgium)

11:00 **J. JACOB**, A. HAEGEMAN, T. KYNDT, B. VANHOLME & G. GHEYSEN (Ghent University, Gent, Belgium)

- Current status of the molecular characterization of migratory plant-parasitic nematode *Radopholus similis*.

11:20 **C. OPPERMAN**, D. MCK. BIRD, J. COHN, E.H. SCHOLL, S. DIENER, T.D. HOUFEK, D.E. WINDHAM, S. GRAHAM, P. LITTLE, M. BURKE, V. WILLIAMSON, J.-F. CHENG & D. ROKHSAR (Center for the Biology of Nematode Parasitism, North Carolina State University, Raleigh, NC USA)

- The genome sequence of *Meloidogyne hapla*, the Northern root-knot nematode: a reference tylenchid.

11:40 **K. WIEVZOREK**, J. HOFMANN, A. BLÖCHL, D. SZAKASITS, H. BOHLMANN, D.J. COSGROVE, D.P. KREIL & F.M.W. GRUNDLER (Institute of Plant Protection, Wien, Austria)

- Expansins and endo-1,4-β-glucanases are involved in cell wall modifications in nematode induced syncytia.

12:00 **J.T. JONES**, M.S. PHILLIPS, E. GILROY, C. PLAIN, P. BIRCH & V. BLOK (Scottish Crop Research Institute, Invergowrie, Dundee, DD2 5DA, UK)

- Functional characterization of nematode chorismate mutases - a role in suppression of plant defence signalling pathways ?

12:20 **L. VAN DER VEKEN**, A. ELSEN & D. DE WAELE (Katholieke Universiteit Leuven, Leuven, Belgium)

- Autotrophic in vitro model system for the in-depth interaction study between nematodes and *Rhizobium* spp.

12:40 **P. TIMPER**, C. HOLBROOK & D. WILSON (USDA ARS, Tifton, USA)

- Root vs pod infection by root-knot nematodes on aflatoxin contamination of peanut.

13:00 Lunch

14:00 Posters

14:45 Coffee

- 15:00 **J.L. STARR** & F. MORESCO (Texas A & M University, College Station, Texas, USA)
- Inheritance of resistance to the root-knot nematode, *Meloidogyne incognita*, in several cotton accessions.
- 15:20 **N.B. PEDROCHE**, L.M. VILLANUEVA & D. DE WAELE (Benguet State University, La Trinidad, Benguet, Philippines and Catholic University of Leuven, Leuven, Belgium)
- Response of five lettuce cultivars to root-knot nematode, *Meloidogyne incognita*.
- 15:40 **A. ELSEN** & D. DE WAELE (Catholic University of Leuven, Leuven, Belgium)
- AMF-induced bioprotection against migratory plant-parasitic nematodes: which mechanisms are responsible.
- 16:00 **T.J.C. MARTIN**, S.J. TURNER & C.C. FLEMING (Agri-Food and Biosciences Institute, Belfast, United Kingdom)
- Management of the potato cyst nematode (*Globodera pallida*) with biofumigants/stimulants.
- 16:20 **C.H. SCHOMAKER**, T.H. BEEN, T.G. VAN BEERS, J.E. BENIERS & L.P.G. MOLENDIJK (Plant Research International, Wageningen and Applied Plant Research, Lelystad, The Netherlands)
- The estimation of partial resistance of potato cultivars against the potato cyst nematodes.
- 16:40 **J. NICOL**, İ.H. ELEKÇIOĞLU, N. BOLAT & R. RIVOAL (CIMMYT P.K. 39 Emek Turkey and INRA, Le Rheu France)
- The global importance of cereal cyst nematode (*Heterodera* spp.) on wheat and international approaches to its control.
- 17:00 **W.T. RUNIA** & L.P.G. MOLENDIJK (Applied Plant Research, Lelystad, the Netherlands)
- Efficacy of metam-sodium applied by rotary spading injection against *Meloidogyne fallax*.

Room: A2.025

Chair J.T. TAMBONG (Agriculture and Agri-Food Canada, Ottawa, Canada)

Vice-chair R. AERTS (Katholieke Hogeschool Kempen, Geel, Belgium)

Secretary B. DECLERCQ (Ghent University, Gent, Belgium)

11:00 A. MINUTO, M.L. GULLINO & A. GARIBALDI (Agroinnova, University of Torino, Grugliasco, Italy)

- Susceptibility of *Gerbera jamesonii* and *Chrysanthemum morifolium* to *Fusarium oxysporum* f.sp. *chrysanthemi*.

11:20 R.M. LANGE, M. GOSSMANN & C. BÜTTNER (Alberta Research Council, Vegreville, Canada)

- Yield loss in spring rape-seed due to wilt caused by *Fusarium oxysporum*.

11:40 R. AERTS, C. SAUVILIER, L. VAN HERCK, K. HEUGENS & K. HEYENS (Katholieke Hogeschool Kempen, Geel, Belgium)

- *Fusarium* internal fruit rot of sweet peppers in Flanders.

12:00 S. VAN LAER, M. HÖFTE & P. CREEMERS (Proefcentrum Fruitteelt vzw, Sint-Truiden and Ghent University, Gent, Belgium)

- An epidemiological study of *Stemphylium vesicarium* on pear in Belgium.

12:20 M. COLLINA, G. ALBERONI & A. BRUNELLI (University of Bologna, Bologna, Italy)

- First occurrence of strobilurin-resistant isolates of *Stemphylium vesicarium* in an Italian pear orchard.

12:40 J. PANNECOUCQUE & M. HÖFTE (Ghent University, Gent, Belgium)

- Characterization and determination of pathogenicity of *Rhizoctonia solani* in field-grown vegetables in Belgium.

13:00 Lunch

14:00 Posters

14:45 Coffee

- 15:00 **K. VANHOUTEGHEM**, E. PAUWELYN, B. COTTYN, J. HEYRMAN, P. DE VOS, M. MAES, M. HÖFTE & P. BLEYAERT (Ghent University, Gent, Belgium)
- Nitrogen level, humidity and splashing soil stimulate midrib rot in lettuce caused by *Pseudomonas cichorii*.
- 15:20 **J.T. TAMBONG**, L.M. REID, T. WOLDERMARIAM, X. ZHU, K.N. MWANGE & C.A. LEVESQUE (Agriculture and Agri-Food Canada, Ottawa, Canada)
- A Taqman real-time PCR assay for detection of the corn bacterial wilt pathogen, *Pantoea stewartii*.
- 15:40 **S. MASSART**, C. NAGY & M.H. JIJAKLI (Gembloux Agricultural University, Gembloux, Belgium)
- Development of a multiplex real-time PCR assay for the simultaneous detection of *Ralstonia solanacearum* race 3 (Biovar 2a) and *Clavibacter michiganensis* ssp. *spedonicus* with an internal control from potato tubers.
- 16:00 **H. ALAEI**, M. HÖFTE, M. MAES & K. HEUNGENS (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium)
- Molecular detection of *Puccinia horiana* Henn., the causal agent of *Chrysanthum* white rust.
- 16:20 **R. AERTS**, S. GIELEN, B. SEELS & K. HEYENS (Katholieke Hogeschool Kempen, Geel, Belgium)
- Modelling infection with *Botrytis cinerea* by studying the penetration process.
- 16:40 **B. DECLERQ**, N. CAP, J. DE NIES, S. POLLET & M. HÖFTE (Ghent University, Gent, Belgium)
- New insights in the life cycle of white tip disease (*Phytophthora porrum*) in leek (*Allium porrum*).
- 17:00 **C. VAÏANOPOULOS**, C. BRAGARD, B. DIERYCK, V. MOREAU, H. MARAITE & A. LEGREVE (Université Catholique de Louvain, Louvain-la-Neuve, Belgium)
- A certain but non-exclusive association between *Polymyxa graminis* formae speciales and cereals.

SECTION 7

BIOLOGICAL AND INTEGRATED CONTROL

Room: A1.015

Chair **M.L. GULLINO** (Agroinnova, University of Turin, Grugliasco, Italy)

Vice-chair **M.H. JIJAKLI** (Faculté des Sciences Agronomiques de Gembloux, Gembloux, Belgium)

Secretary **S. VAN BENEDEEN** (Ghent University, Gent, Belgium)

11:00 **H. HOSSEINI MOGHADDAM**, L. LEUS, J. DE RIEK, J. VAN HUYLENBROECK & E. VAN BOCKSTAELE (ILVO, Melle, Belgium and Ghent University, Gent, Belgium)

- Characterisation of powdery mildew resistance in a segregating diploid rose population.

11:20 **M.D. SANOGO & W.A.J. DE MILLIANO** (Agricultural Research Station Cinzana, Ségou, Mali)

- Accumulation of pearl millet downy mildew resistance in Mali - 2006 results.

11:40 **D. DE VLEESSCHAUWER**, M. DJAVAHARI, P. BAKKER & M. HÖFTE (Ghent University, Gent, Belgium and Utrecht University, Utrecht, the Netherlands)

- Molecular insights into rhizobacteria-mediated systemic resistance in rice.

12:00 **P. TAHERI & M. HÖFTE** (Ghent University, Gent, Belgium)

- Riboflavin-induced resistance against sheath blight of rice functions through the potentiation of lignin formation and jasmonic acid signalling pathway.

12:20 **G. SPERA, A. LA TORRE, R. BUGLIOSI & M. GIANFERRO** (DECA Srl, Ardea, Italy and CRA Plant Pathology Institute, Roma, Italy)

- Rationalization of pesticide treatments against powdery mildew of grape.

12:40 **R. BUGLIOSI**, G. SPERA, A. LA TORRE, L. CAMPOLI, M. GIANFERRO & S. TALOCCI (DECA Srl, Ardea, Italy and CRA Plant Pathology Institute, Roma, Italy)

- A two years study results in the use of artificial neural networks to forecast *Plasmopara viticola* infection in viticulture.

13:00 Lunch

14:00 Posters

14:45 Coffee

15:00 **D. SPADARO**, **A. CIAVORELLA**, **A. LORÈ**, **A. GARIBALDI** & **M.L. GULLINO**
(Agroinnova, University of Turin, Grugliasco, Italy)

- Low levels of ochratoxin A in wines from Piedmont (Northern Italy).

15:20 **C. VAÏANOPOULOS**, **A. LEGREVE**, **V. MOREAU**, **S. STEYER**, **H. MARAITE** & **C. BRAGARD** (Université Catholique de Louvain, Louvain-la-Neuve, Belgium)

- Barley yellow mosaic virus is overcoming rym4 resistance in Belgium.

15:40 **S. STEINMÖLLER**, **P. MÜLLER** & **C. BÜTTNER** (Humboldt-Universität zu Berlin, Berlin, Germany and FBRCFAF, Kleinmachnow, Germany)

- Effect of compositing and pasteurisation on two important quarantine pests on potato.

16:00 **B. DUPUIS**, **V. LABBE**, **L. LAGUESSE**, **J.L. ROLOT** & **D. STILMANT** (Walloon Agricultural Research Centre, Libramont, Belgium)

- Evaluation of innovative products to reduce or remove copper applications to control potato light blight in organic production.

16:20 **R. LAHLALI** & **M.H. JIJAKLI** (Faculté des Sciences Agronomiques de Gembloux, Gembloux, Belgium)

- Assessment of *Pichia anomala* (strain K) efficacy against *P. expansum* when applied pre- or post-harvest under laboratory conditions and in orchard trials.

16:40 **M.S. SINAGA**, **A. SUSANTO** & **B.P.W. SOEKARNO** (Bogor Agricultural University, Bogor and Indonesian Oil Palm Research Institute, Sumut, Indonesia)

- Diversity of fungal rhizosphere on different ecological oil palm plantation: toward biological control of basal stem rot (*Ganoderma boninense* Pat.).

POSTERS

Room: A027

Secretaries: K. DEMAYER & W. DERMAUW (Ghent University, Gent, Belgium)

APPLICATION TECHNOLOGY, (ECO-TOXICOLOGY AND RESIDUES

- A001 A. SHARIFI-TEHRANI, L. AHMADZADEH, S. SARANI & M. FARZANEH (University of Tehran, Karaj, Iran)
- Powder formulations of strain of *Burkholderia cepacia* for control of rape-seed damping-off caused by *Rhizoctonia solani*.
- A002 M. DE SCHAMPHELEIRE, C. KHACHAN CANO & E. DE BACKER (Ghent University, Gent, Belgium)
- Volatilisation chamber experiments to measure evaporation drift of pesticides from canopy surfaces.
- A003 J. TAVASZI & P. BUDAI (University of Pannonia, Keszthely, Hungary)
- The use of HET-CAM test in detecting the ocular irritation.
- A004 R. ROUABHI, H. DJEBAR-BERREBBAH & M.R. DJEBAR (Larbi-Tebessi University Center, Tebessa, Algeria and Badj-Mokhtar University, Annaba, Algeria)
- The impact of flucycloxuron on eggs weight kinetics and hematological parameters of chicken (*Gallus domesticus*).
- A005 L. MEKSEM & M.R. DJEBAR (University of Annaba, Annaba, Algeria)
- Toxicity evaluation of an antifungal product: fluquinconazole (Flamenco SC).
- A006 P. PAYA, J. MULERO, J. OLIVA, M.A. CAMARA, P. ZAFRILLA & A. BARBA (Universidad de Murcia, Murcia, Spain)
- Bioavailability of insect growth regulators in citrus and stone fruits.
- A007 P. PAYA, J. OLIVA, M.A. CAMARA & A. BARBA (Universidad de Murcia, Murcia, Spain)
- Dissipation of insect growth regulators in fresh orange and orange juice.
- A008 J. OLIVA, P. PAYA, M.A. CAMARA, A. BARBA (Universidad de Murcia, Murcia, Spain)
- Removal of pesticides from white wine by the use of fining agents and filtration.
- A009 J.M. CAYUELA, P. PAYA, A. MARTINEZ-CACHA, J. OLIVA, M.A. CAMARA & A. BARBA (Universidad de Murcia, Murcia, Spain)
- Influence of fungicides on grape yeast content and its evolution in the fermentation.

POSTERS

- A010 **A. CHAGRA**, A. NOURI, M-R. DJEBAR, H. BERREBBAH & R. ROUBHI (University of Annaba, Annaba, Algeria)
- The toxicity study of a systemic fungicide: Artea 330EC on the physiology and the respiratory metabolism of the tadpole (*Rana saharica*).
- A011 **A.K. SOMCHOUDHURY**, A.K. DAS, S.K. JANA, K. SEKH & N. NAIR (Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, India)
- Residue and bioefficacy of fenpropathrin against coconut perianth mite, *Aceria guerreronis* Keifer, key mite pest of coconut in India.
- A012 **A.K. DAS**, A.K. SOMCHOUDHURY, G. CHAKRABORTY & K. SEKH (Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, India)
- Studies on bioefficacy and residues of pyridalyl (Pidalyl 10% EC) in cabbage in India.
- A013 **C. VANGHELUWE**, **R. SARRAZYN**, **P. SPANOGHE** & M-C. VAN LABEKE (Ghent University, Gent, Belgium)
- Fate of vinclozolin during storage, handling and forcing of chicory roots.
- A014 **V.V. PIDLISNYUK**, T.R. STEFANOVSKA & L. MOKLAICHUK (National Agricultural University, Kiev, Ukraine. Institute of Agroecology and Biotechnology, Metrologicheskaya, Ukraine)
- Use of phytoremediation for cleaning up soil contaminated by persistent organic pollutants in Ukraine.
- A015 **H. EL-BAKOURI**, A. QUASSINI, J.M. AGUADO & J.U. GARCIA (University of Abdelmalek Essaadi, Tangier, Morocco and University of Seville, Seville, Spain)
- Alternative pesticide removal practice using Mediterranean natural organic substances.
- A016 **T. DE WILDE**, P. SPANOGHE, J. RYCKEBOER, C. DE BAER & D. SPRINGAEL (Crop Protection Chemistry, Ghent University, Gent, Belgium)
- Sorption of pesticides on substrates used in a bioremediation system
- A017 **V. FRANSSSENS**, I. MESTDAGH & M. ROETTELE (PCFruit npo, Sint-Truiden, Belgium)
- Train the operators to prevent pollution from point sources
- A018 **L. DONNARUMMA**, V. POMPI, E. CONTE, A. FARACI & A. DI ANGELO (Plant Pathology Research Institute, Rome, Italy)
- Distribution of organochlorine pesticides in crops growing in the province of Latina.

POSTERS

- A019 **A. GHEKIERE**, M. VANDENBROELE, F. VERDONCK, P. VAN SPRANG, V. KAMBOUROVA, K. VASILEV & G. GOPINA (EURAS, Gent, Belgium and NCPHP, Sofia, Bulgaria)
- Risk assessment of priority pesticide residues in groundwater's by means of predictive approaches: a Bulgarian experience.
- A020 **S. VERGUCHT** & W. STEURBAUT (Ghent University, Gent, Belgium)
- Pesticide risk assessment of the Belgian groundwater by means of PRIBEL.
- A021 **Y.Y. MOSLEH**, A. CONRAD & S. BIAGIANTI-RISBOURG (Suez Canal University, Ismailia, Egypt)
- Leaching of isoproturon and its metabolites: 1-(4-isopropylphenyl)-3-methyl-urea, 1-(4-isopropylphenyl) urea and 4-isopropylanilin from columns packed with soil aggregates in laboratory conditions.
- A022 **V.N. KOLUPAEVA**, V.S. GORBATOV & B.I. GUREVICH (Russian Institute of Phytopathology, Moscow Region, Russia)
- Testing the pearl model to predict the fate of pesticides in a structured soil of Russia.
- A023 **D. DANTINNE** & J-P. JANSEN (Walloon Centre of Agricultural Research, Gembloux, Belgium)
- Assessment of side-effect of water-soluble nitrogen fertilisers applied as foliar spray on the parasitic wasp *Aphidius rhopalosiphi* (Destefani-Perez) (Hym: Aphididae).
- A024 **A.A.F. EL-BAHRAWY**, M.G. VIJVER & G.R. DE SNOO (Suez Canal University, Ismailia, Egypt and Institute of Environmental Sciences, Leiden, the Netherlands)
- Threats and control of the brown necked crow (*Corvus ruficollis*) and their control in Egypt.
- A025 **A.A.F. EL-BAHRAWY**, M.G. VIJVER & G.R. DE SNOO (Suez Canal University, Ismailia, Egypt and Institute of Environmental Sciences, Leiden, the Netherlands)
- Pesticide use and wild-life incidents in Northern Africa.
- A026 **S. KABOODVANDPOUR** & L.K-P. LEUNG (University of Queensland, Gatton, Australia)
- Density thresholds for managing mouse damage to grain sorghum during crop maturation.
- A027 **C. BLOK**, G. PERSOONE & G. WEVER (Applied Plant Research, Naaldwijk, the Netherlands and MicroBioTest Inc, Nazareth, Belgium)
- A microbiotest to assess the phytotoxic potential of growing media and soils.

HERBOLOGY

H001 **A. HAMAL**, A. ABBED, M. GHROUDI & A. DERKAOUI (INRA, CRRRA, Meknès, Maroc)

- Identification de la flore adventice des voies ferrées axe nord centrale et orientale, Maroc.

H002 **F.A. GHADERI**, N. LATIFI, M. YOUNESABADI, H.O. KASHIRI & S.G. SADATI (Agricultural Science and Natural Resources University, Gorgan, Iran)

- Determination of the critical period of weed control in cotton (*Gossypium hirsutum*) in Gorgan, Iran.

H003 **I. KHAN**, K.B. MARWAT & Z. HUSSAIN (NWFP Agricultural University, Peshawar, Pakistan)

- Chemical weed management in wheat at higher altitudes.

H004 **T. DE MAREZ**, E. MECHANT, V. GOOSSENS & R. BULCKE (Weed Science Unit, Ghent University, Gent, Belgium)

- Effect of selected sugar beet herbicides on germination of various *Chenopodium album* populations.

H005 **D. HYNDRIKX** (Monsanto Europe, Antwerpen, Belgium)

- Approaches to responsible resistance strategies across technologies.

H006 **N. SARPE**, S. POIENARU & M. MASCHIO (Agricultural and Forestry Sciences Academy, Bucharest, Romania)

- No-tillage system applied to tribenuron-methyl resistant sunflower under Romanian conditions.

H007 **V. TOTH** & E. LEHOCZKY (University of Pannonia, Keszthely, Hungary)

- Effect of different herbicides on Johnson grass in maize.

H008 **R. BULCKE** & E. MECHANT (Weed Science Unit, Ghent University, Gent, Belgium)

- Resistance to foliar herbicides in long-term experiments in orchards.

H009 **G. KAZINCZI**, A. KOVACS, A. TAKACS, J. HORVATH & I. BÉRES (Pannon University, Keszthely, Hungary)

- The role of some invasive weeds in allelopathic research.

H010 **G. WAGNER** & E. NADASY (University of Pannonia, Keszthely, Hungary)

- Effect of herbicides on the weed flora of green pea.

POSTERS

H011 **O. PALI**, P. REISINGER & P. POMSAR (Institute of Environmental Sciences, Mosonmagyaróvár, Hungary)

- Comparative investigations of non-chemical weed management methods in Hungary.

H012 I. DANCZA, I. MOLNAR, E. TOTH, **I. SOMLYAY** & L. SZENTEY (Plant, Soil and Agro environmental Protection Directorate, Budapest, Hungary. DuPont Hungary, Budaörs, Hungary)

- Tank mixes of pethoxamide+terbuthylazine with different sulfonylureas to control special broad-leaved weeds in corn in Hungary.

ENTOMOLOGY

E001 **J. WITTERS**, G. DE BONDT, J. DESAMBLANX & H. CASTEELS (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium)

- Acarological diagnostic research in Belgium during the period 2004-2006.

E002 **H.E. HUMMEL**, S. MODIC, G. UREK, S. DINNESEN, T. NEDELEV, C. ULRICHS, M. BERTOSSA & G. LEITHOLD (Justus Liebig University Giessen, Giessen, Germany)

- Leaf beetles of the genus *Diabrotica* as future European pests of horticultural crops including *Cucurbita* spp.

E003 **K. VIG** (Savaria Museum, Department of Natural History, Szombathely, Hungary)

- Morphological description of immature stages of water lily leaf beetle, *Galerucella nymphaeae* (Linnaeus, 1758) (Coleoptera: Chrysomelidae, Galerucinae).

E004 G. ABBASZADEH & **M.A. SAMIH** (Plant Pest and Diseases Research Department, Minab, Iran)

- Behavioural interactions of Sodom's apple fruit flies, *Longistylus weidemann* into attractant, shape, height and distance from host plant of yellows sticky bait.

E005 **P. DAMOS** & M. SAVOPOULOU-SOULTANI (Aristotle University of Thessaloniki, Thessaloniki, Greece)

- Flight patterns of *Anarsia lineatella* (Lepidoptera: Gelechiidae) in relation with degree days heat accumulation in northern Greece.

E006 **A. BAGHDADI** (Tehran University, Karaj, Iran)

- Strategy of freeze tolerance in adult of sun pest bug (*Eurygaster integriceps* Put.).

POSTERS

- E007 **M.A. SAMIH**, R. SADR MOHAMMADI, A. REZVANI & A.A. TALEBI (Azad University, Arak, Iran)
- Demographic parameters of wrinkling aphid of pistachio leaf, *Forda hirsuta* Mordv. (Hem.: Pemphigidae) in situ of Rafsanjan's orchards.
- E008 **M. POBOZNIAK**, A. PALACZ & A. RATAJ (Agricultural University, Cracow, Poland)
- The occurrence and species composition of thrips (Thysanoptera) on onion.
- E009 **M. POBOZNIAK** (Agricultural University, Cracow, Poland)
- Study on the thrips fauna (*Thysanoptera*) on flowers of some herbs plants.
- E010 **M.I. PATANITA** & J. REIS (Escola Superio Agraria de Beja, Beja, Portugal)
- Monitoring of the main pests of olive in Alentejo (Portugal).
- E011 **R. ALMOHAMAD**, F. VERHEGGEN, F. FRANCIS & E. HAUBRUGE (Gembloux Agricultural University, Gembloux, Belgium)
- How does the age of hoverfly females affect their reproduction ?
- E012 **A. PINEDA** & M.A. MARCOS-GARCIA (University of Alicante, Alicante, Spain)
- Effect of a banker plant system on natural populations of aphidophagous hoverflies (Diptera: Syrphidae).
- E013 **M.A. JALALI**, L. TIRRY & P. DE CLERCQ (Ghent University, Gent, Belgium)
- Comparison of life table parameters of *Adalia bipunctata* reared on factitious food and natural prey at different temperatures.
- E014 **L. DEGHAN**, **M.A. SAMIH** & A.A. TALEBI (Azad University, Arak. Vali-e-Asr University, Rafsanjan. Trbiat Modarres University, Tehran, Iran)
- Some biological characteristics of *Adalia bipunctata* on pomegranate aphid, *Aphis punicae* in Yazd province.
- E015 **K. SREEDEVI** & A. VERGHESE (Indian Institute of Horticultural Research, Bangalore, Karnataka, India)
- Ecology of aphidophagous predators in a pomegranate ecosystem in India.
- E016 **H. CASTEELS**, W. HUBRECHTS & D. DESMET (Institute for Agricultural and Fisheries Research, Merelbeke. National Research Centre for Witloof Chicory, Herent. Provincial Research and Advisory Centre for Agriculture and Horticulture, Beitem-Rumbeke, Belgium)
- Inventarisation of natural enemies in witloof chicory fields: preliminary results.

POSTERS

- E017 **R. ZEMEK**, E. PRENEROVA, L. VOLTER, F. WEYDA & V. SKUHRVY (Biology Centre of the Academy of Sciences, Ceske Budejovice and Laboratory of Plant Protection Olesna, Bernartice u Milevska, Czech Republic.)
- Perspectives on the biological control of *Cameraria ohridella*.
- E018 **B. JANKOWSKA** & E. WOJCIECHOWICZ-ZYTKO (Agricultural University, Krakow, Poland)
- The occurrence, population dynamics and natural regulation of abundance of *Phyllonorycter robiniella* (Clem.) (Gracillariidae) in Krakow area.
- E019 **M.I. PATANITA** & E. VARGAS (Escola Superior Agraria de Beja, Beja, Portugal and Universidad de Cordoba, Cordoba, Spain)
- Preliminary results in *Zeuzera pyrina* control with mass trapping method in Alentejo (Portugal).
- E020 **G. ANGELI**, R. MAINES, F. TRONA, M. FANTI, M. BALDESSARI & F. REGGIORI (ISMA Research Center, San Michele all' Adige, Italy)
- The control of *Cydia pomonella* and *Cydia molesta* in pome-fruit orchards by disorientation.
- E021 **G. MONDRAGON**, S. PINEDA, A. MARTINEZ & **A.M. MARTINEZ** (Universidad Michoacana de San Nicolas de Hidalgo, Tarimbaro, Mexico)
- Optical brightener Tinopal C1101 as an ultraviolet protectant for a nucleopolyhedrovirus.
- E022 **C. WENDT**, H. SERMANN, S. LERCHE & C. BÜTTNER (Humboldt-Universität, Berlin, Germany)
- Efficiency of the entomopathogenic fungi against *Phyllonorycter robiniella*.
- E023 **M.S. AL MAZRA'AWI** (Al balqa' Applied University, Assalt, Jordan)
- Interaction effects between *Beauveria bassiana* and imidacloprid against *Thrips tabaci* (Thysanoptera: Thripidae).
- E024 **M.A. BENAMU**, M.I. SCHNEIDER, **S. PINEDA**, N.A. SANCHEZ & A. GONZALEZ (Centre de Estudios Parasitologicos y de Vectores, Buenos Aires, Argentina and Universidad Michoacana de San Nicolas de Hidalgo, Tarimbaro, Mexico)
- Sublethal effects of two neurotoxicans insecticides on *Araneus pratensis*
- E025 **F. RIMOLDI**, M.I. SCHNEIDER, **S. PINEDA** & A.E. RONCO (Universidad Nacional de la Plata, La Plata, Argentina. Universidad Michoacana de San Nicolas de Hidalgo, Tarimbaro, Mexico.)
- Effect of conventional and biorational insecticides on larvae of *Chrysoperla extena*.

POSTERS

- E026 **M.I. SCHNEIDER, S. PINEDA, D. ALIARDI & G. SMAGGHE** (Centre de Estudios Parasitologicos y de Vectores, Buenos Aires, Argentina and Universidad Michoacana de San Nicolas de Hidalgo, Tarimbaro, Mexico. Ghent University, Gent, Belgium)
- Effects of glyphosate on life history of the generalist predator, *Chrysoperla externa*
- E027 **T. BERNARD, D. LAURENTIE & J. VERMAELEN** (ISK Biosciences Europe, Brussel, Belgium and Belchim, Londerzeel, Belgium)
- Flonicamid (Teppeki®), a novel aphicide of the pyridine carboxamide class with excellent ICM profile.
- E028 **A.S.A. SAAD, M.A. MASSOUD, A.A.M. ABDEL-MEGEED, A.K.K. MOURAD, N.A. HAMID & A.S.T. BARAKAT** (Alexandria University, Alexandria, Egypt)
- An approach for IPM programs for sucking pests infesting garden beans plants (*Phaseolus vulgaris* L.) in Egypt.
- E029 **A.S.A. SAAD, M.A. MASSOUD, A.A.M. ABDEL-MEGEED, A.K.K. MOURAD, N.A. HAMID & A.S.T. BARAKAT** (Alexandria University, Alexandria, Egypt)
- Abamectin, pymetrozine and azadirachtin sequence as a unique solution to control the leaf miner *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae)
- E030 **H.F. HUITING & E. ESTER** (Applied Plant Research, Lelystad, the Netherlands)
- Film coating the seed of flax (*Linum usitatissimum* L.) with thiamethoxam to control flea beetles.
- E031 **K.S. GHONEIM, A.S. BREAM, M.A. TANANI & M.I. NASSER** (Faculty of Sciences, Omar Al-Mokhtar, Libya)
- Efficacy of lufenuron (CGA-184699) and diofenolan (CGA-59205) on survival, growth and development of the red palm weevil, *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae).
- E032 **S. PINEDA, A-M. MARTINEZ, M-I. SCHNEIDER, P. DEL ESTAL, E. VINUELA, G. SMAGGHE & F. BLUDIA** (Universidad Michoacana de San Nicolas de Hidalgo, Morelia, Mexico and Ghent University, Gent, Belgium)
- Effects of two insect growth regulators, azadirachtin and methoxyfenozide, on the cotton leafworm.
- E033 **A. MARTINEZ, S. PINEDA, A. OSORIO & A.M. MARTINEZ** (Universidad Michoacana de San Nicolas de Hidalgo, Tarimbaro, Mexico)
- Lethal interactions between optical brightness and biorational insecticides.

POSTERS

- E034 **H. MOSALLANEJAD**, T. SOIN & G. SMAGGHE (Ghent University, Gent, Belgium)
- *In vitro* evaluation of resistance towards methoxyfenozide in cells of the beet armyworm. Metabolism and kinetics.
- E035 **O. IORDANESCU**, R. MICU, I. ANGELACHE, T. BEYERS, N. NICORICI, C. CALIN, A. BLIDARU, G. SIMERIA, E. DRAGANESCU, A. VERBERNE & R. AERTS (Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania and Katholieke Hogeschool Kempen, Geel, Belgium)
- Controlling *Cydia pomonella* (L.) in the Romanian Banat's region.
- E036 H.A. MESBAH, A.S.A. SAAD, **A.K. MOURAD**, F.A. TAMAN & I.B. MOHAMED (Alexandria University, Alexandria, Egypt)
- Biological performance of quercetin on the cotton leafworm larvae, *Spodoptera littoralis* Boisd. (Lep. Noctuidae) and prevailing natural enemies in the Egyptian cotton fields.
- E037 A. GOUDOUN, L.S.T. NGAMO, M.B. NGASSOUM, N.L. TATSADJIEU, **H. KOUNINKI** & T. HANCE (National High School of Agro Industrial Sciences, Ngaoundéré, Cameroon)
- Variation in the insecticidal efficiency of pesticides towards *Tribolium castaneum* (Coleoptera: Tenebrionidae) during four generations.
- E038 **N. SOLTANI-MAZOUNI**, D. BOUTELDJA & G. SMAGGHE (Université d'Annaba, Annaba, Algérie and Ghent University, Gent, Belgium)
- In vivo activity of captopril an inhibitor of angiotensin converting enzyme in mealworms: ecdysteroid amounts and composition of ovaries.
- E039 **A.S. BREAM**, K.S. GNONEIM, M.A. TANANI & M.I. NASSER (Faculty of Sciences, Omar Al-Mokhtar, Libya)
- The disruptive effects of azadirachtin on jojoba on development and morphogenesis of the red palm weevil *Rhynchophorus ferrugineus* (Curculionidae: Coleoptera).
- E040 **S. IGNACIMUTHU** (Loyola College, Chennai, India)
- Ponneem, a new bio pesticide with synergistic effect for controlling insect pests.
- E041 **S. VISETON**, J. MILNE, V. BULLANGPOTI, A. RATTANAPAN, P. NAKAWI-ROAT & K. GHAWNA (Kasetsart University, Mahidol University, Bangkok and Maharakham University, Maharakham, Thailand)
- Toxicity and detoxification mechanisms of juvenile *Coptotermes* termite workers to some active compounds from botanical extracts.

POSTERS

- E042 **O. BOUSSAADA, A. BERGAOUI, M.B.H. KAMEL, D. SAIDANA, M.A. MAH-JOUB, S. AMMAR, K. ABDELAOUI, Z. MIGHRI & A.N. HELAL** (High Institute of Agronomic Sciences, Chott Mariem, Sousse, Tunisia)
- Bioactivities of some Tunisian Asteraceae plants against *Tribolium confusum* du Val.
- E043 **M. SRIVASTAVA & L. GUPTA** (Govt. Dungar College, Rajasthan, India)
- *Solanum surratense*: a desert plant from India as a potent source of insecticide against *Callosobruchus chinensis* Linn.
- E044 **K. JABER, L. PAQUEREAU, D. FOURNIER, E. HAUBRUGE & F. FRANCIS** (Gembloux Agricultural University, Gembloux, Belgium and IPBS-CNRS, Toulouse, France)
- Effect of a fungal lectin from *Xerocomus chrysenteron* (XCL) on the biological parameters of aphids.
- E045 **M. HAMSHOU, G. SMAGGHE & E.J.M. VAN DAMME** (Ghent University, Gent, Belgium)
- Analysis of lectin concentrations in different *Rhizoctonia solani* strains.
- E046 **S. SHAHIDI NOGHABI, E.J.M. VAN DAMME & G. SMAGGHE** (Ghent University, Gent, Belgium)
- Transgenic tobacco plants expressing snai' with enhanced resistance to different insects species.
- E047 **G. VANDENBORRE, E.J.M. VAN DAMME & G. SMAGGHE** (Ghent University, Gent, Belgium)
- A new class of herbivory-induced proteins in plants.
- E048 **E. LEMEIRE, B. VANHOLME, J. VAN CAMP & G. SMAGGHE** (Ghent University, Gent, Belgium)
- Angiotensin converting enzyme characterization and inhibition in *Spodoptera littoralis*
- E049 **K. MICHIELS, A. SADEGHI, G. VANDEBORRE, E.J.M. VAN DAMME & G. SMAGGHE** (Ghent University, Gent, Belgium)
- Do plant lectins affect insect feeding behaviour ?
- E050 **A. SADEGHI, E.J.M. VAN DAMME & G. SMAGGHE** (Ghent University, Gent, Belgium)
- Establishment of an *in vitro* bioassay to screen insecticidal effects of plant lectins against aphids (*Acyrtosiphon pisum*).

POSTERS

E051 **E. DE GEYTER**, D. GEELLEN, L. SWEVERS, T. SOIN, K. VAN LOOCKE, S. VANDE VELDE & G. SMAGGHE (Ghent University, Gent, Belgium and National Centre for Scientific Research "Demokritos", Athens, Greece)

- First results on the insecticidal action of saponins *in vivo* and *in vitro*.

E052 **E.I. RABEA**, M.E.I. BADAWY, C.V. STEVENS, W. STEURBAUT, M. HÖFTE & G. SMAGGHE (Alexandria University, Alexandria, Egypt and Ghent University, Gent, Belgium)

- Fungicidal and insecticidal activity of N-(cinnamyl) chitosan derivatives.

E053 **K. ABDELLAOUI**, M. BEN HALIMA-KAMEL & M.H. BEN HAMOUDA (High Institute of Agronomy, Sousse, Tunisia)

- Influence of gibberellic acid on the reproduction and longevity of *Locusta migratoria* (Orthoptera: Acrididae).

NEMATOTOLOGY

N001 **L.J.M.F. DEN NIJS** (Plant Protection Service, Wageningen, the Netherlands)

- The National Reference laboratory of the Netherlands.

N002 **R. MOLOTSANE**, L. NGOMA & V. GRAY (University of the Witwatersrand, Wits, South Africa)

- Entomopathogenic nematodes of Gauteng and the North-West province in South Africa.

N003 **H. YILMAZ**, L. WAEYENBERGE, Z. DEMIRBAG & M. MOENS (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium and Karadeniz Technical University, Trabzon, Turkey)

- First record of *Heterorhabditis megidis* (Rhabditida: Heterorhabditidae) from Turkey.

N004 **T.R. STEFANOVSKA** & V.V. PIDLISNYUK (National Agricultural University, Kiev, Ukraine)

- Isolation of *Heterorhabditis bacteriophora* from Ukrainian soil.

N005 **T.R. STEFANOVSKA**, E.E. LEWIS & H.K. KAYA (National Agricultural University, Kiev, Ukraine and University of California, Davis, USA)

- Susceptibility of the subterranean termite workers to two entomopathogenic nematode species.

N006 **R. CAMPOS-HERRERA**, J. JIMÉNEZ & C. GUTIÉRREZ (Centro de Ciencias Medioambientales, Madrid, Spain)

- Tolerance of *Steinernema fertiae* (Rhabditida: Steinernematidae) to agro-chemical.

POSTERS

- N007 **L. WAYENBERGE** (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium)
- *Pratylenchus goodeyi*, a species-complex ?
- N008 **N. MOHAMMAD-AMINI**, T. SOLGI, R. RAMEZANYZADEH, N. EBRAHIMI & A.R. GHOLNARAGHI (Islamic Azad University, Tehran, Iran)
- First report of begonia root-knot caused by *Meloidogyne incognita* in Iran.
- N009 **M. DANQUAH**, **N. VIAENE**, G. KARSSSEN & E. DE LA PENA (ILVO, Plant Protection, Merelbeke, Belgium and Wageningen University, Wageningen, the Netherlands)
- Root-knot nematodes (*Meloidogyne* spp.) on turf grass in Belgium.
- N010 **N. HORRIGUE-RAOUANI** & M.M. B'CHIR (Institut Supérieur Agronomique Chott-Mariem, Sousse, Tunisia)
- Survey compared of the quality of many hosts cultivated under shelters plastics to *Meloidogyne* spp. (Tylenchida, Meloidogynidae).
- N011 **W. HLAOUA**, N. HORRIGUE-RAOUANI & H. REGAIEG (Agricultural High Institute of Chott Mariem, Sousse, Tunisia)
- Population dynamics of *Meloidogyne* spp. Under host and non host crops in two different fields.
- N012 **H. REGAIEG**, N. HORRIGUE-RAOUANI & W. HLAOUA (Agricultural High Institute of Chott Mariem, Sousse, Tunisia)
- Biological characterization of two Tunisian populations of *Meloidogyne* spp. virulent to the Mi resistance gene in tomato.
- N013 **E. AYATOLLAHY** & S. FATEMY (University of Tehran, Karaj, Iran)
- Patogenicity of *Paecilomyces lilacinus* against *Heterodera schachtii* on agar.
- N014 **T. BILEVA**, S. YANCHEVA & B. CHOLEVA (Agricultural University, Plovdiv, Bulgaria)
- In vitro nematicidal activity of blue-green algae *Chlorella vulgaris* on Bulgarian population of *Xiphinema index*.
- N015 **J. LOPEZ-CEPERO**, **A. PIEDRA BUENA**, M.A. DIEZ-ROJO, R. REGALADO, E. BRITO, Z. HERNANDEZ, M. FIGUEREDO, G. ALMENDROS & A. BELLO (ETSIA, Universidad de la Laguna, Tenerife, Spain)
- Assessment of crop and garden residues for controlling root-knot nematodes.
- N016 **S. HOCKLAND**, T. PRIOR, J. QUILL & R. LAWSON (Pest and Disease Identification Team, Sand Hutton, York, Great-Britain)
- Interceptions of plant-parasitic nematodes in the UK from outside Europe 2005-2006

POSTERS

PHYTOPATHOLOGY

- P001 **E. SIPOS**, M. KALLAI, G. CSITARI & Z. POLGAR (University of Pannonia, Keszthely, Hungary)
- Soft-rot resistance test of in vitro pre-selected stress tolerant potato genotypes.
- P002 **E. NAGY** & K. NAGY (Agricultural Research, Development Station Turda, Romania)
- The control of wheat diseases in conservative agriculture system (Transylvania, Romania).
- P003 **E. PAUWELYN**, K. VANHOUTEGHEM, B. COTTYN, J. HEYRMAN, M. MAES, P. DE VOS, P. BLEYAERT & M. HÖFTE (Ghent University, Gent, Belgium)
- Genetic diversity and pathogenicity of *Pseudomonas cichorii* isolates causing midrib rot on lettuce.
- P004 **M. RASHIDI**, M. BAHAR, A. AHOONMANESH & Y. GHOSTA (Isfahan University of Technology, Isfahan, Iran)
- First report of pigeon pea witches-broom group from safflower.
- P005 **H. SAREMI**, J. MOHAMMADI & S.M. OKHOVVAT (Zanjan University, Zanjan, Iran)
- Severity of bean root rot disease and introduction "Naz" as its resistant cultivar in Zanjan province, eastern north Iran.
- P006 **F. SIMON**, G. FISCHL, S. KADLICSKO, CS. PINTER, J. DANKO & S. SÜLE (University of Pannonia, Keszthely, Hungary)
- Phytopathological problems and solutions in the walnut orchards along Lake Balaton.
- P007 R.M. OLOAN & **L.C. VILLANUEVA** (Bureau of Plant Industry, Baguio City, Philippines)
- Red stele disease of strawberry in the Philippines.
- P008 **E. FOUQUAERT**, W.J. PEUMANS, G. GHEYSEN & E.J.M. VAN DAMME (Ghent University, Gent, Belgium)
- Mannose-binding lectins in rice.
- P009 M. ZAMANI, **A. SHARIFI-TEHRANI** & A.A. ALIABADI (Tehran University, Karaj, Iran)
- Evaluation of antifungal activity of carbonate and bicarbonate salts alone or in combination with biocontrol agents in control of citrus green mould.

POSTERS

- P010 **M. ALDHAGI**, S. MASSART, S. ROUSSEL, S. STEYER & H. JIJAKLI (Gembloux Agricultural University, Gembloux, Belgium)
- Comparison of different techniques for inoculation of fruit tree phytoplasma.
- P011 **R. SHARIFI**, M. FARZANEH & M. AHMADZADEH (University of Tehran, Karaj, Iran)
- In vitro anti-fungal activity of the essential oil of *Foeniculum vulgare* against post-harvest plant pathogens.
- P012 **N.L. BROOKER**, Y. KUZIMICHEV, J. LAAS & R. PAVLIS (Pittsburg State University, Pittsburg, USA)
- Evaluation of coumarin derivatives as anti-fungal agents against soil-borne fungal pathogens.
- P013 **S. ABRAS**, K. MARCADIEU, J. BARBIER & A. CHANDELIER (Gembloux Agricultural Research Centre, Gembloux, Belgium)
- Occurrence of *Armillaria* species infecting riparian trees in Wallonia.
- P014 **R. SABERI-RISEH**, A. SHARIFI-TEHRANI, M. HAJMALEK & F. HEIDARI (University of Tehran, Karaj, Iran)
- Biological control of some pathogenic fungi by *Bacillus subtilis* (Isolate 126).
- P015 **S. SARANI**, A. SHARIFI-TEHRANI, M. AHMADZADEH & M. JAVAN NIKKHAH (Zabol University, Pajouheshkadeh Keshavarzi, Iran)
- Introduction of some important antagonistic bacteria affecting on damping-off of canola in Iran.
- P016 **V.A. POLITYKO**, K.P. KORNEV, E.SH. PEKHTEREVA, A.N. IGNATOV, E.V. MATVEEVA & N.W. SCHAAD (Russian Research Institute of Phytopathology, Moscow Region, Russia. USDA-ARS, Detrick, USA)
- Bacterial diseases of sunflower in Russia.
- P017 **V. KHOSRAVI**, M. BAHRAMI, S. NAEIMI, S.M. OKHOVVAT, M.Z. NOORI & M. ROSTAMI (Rice Research Institute, Amol. Amol Biological Control Research Laboratory, Amol. Tehran University, Karaj, Iran)
- Evaluation of three commercial biocontrol products on growth characteristics of rice seedlings in nursery.
- P018 **V.B. NARGUND**, A.G. SREENIVAS, S.V. HIREMATH & Y.S. AMARESH (University of Agricultural Sciences, Gulbarga, Karnataka, India)
- Bio-efficacy studies of Kocide 2000 against chilli anthracnose.

POSTERS

P019 **M.S. SINAGA**, A. SUSANTO & B.P.W. SOEKARNO (Bogor Agricultural University, Bogoar, Indonesia)

- Diversity of rhizosphere fungi in oil palm plantation with different ecological conditions: toward biological control of basal stem rot (*Ganoderma boninense* Pat.).

P020 **H.R. ALIZADEH**, A. SHARIFI-TEHRANI, GH.A. HEJAROUDI (Shahid-Bahonar University, Kerman, Iran)

- Evaluation of the effects of chemical versus biological control on *Botrytis cinerea* agent of gray mould disease of strawberry.

P021 **J. AUDENAERT**, S. VAN BENEDEN & M. HÖFTE (Ghent University, Gent, Belgium)

- *Trichoderma* spp. as bio-control agents of *Botrytis cinerea* sclerotia.

P022 **S. VAN BENEDEN**, J. AUDENAERT, G. DE BACKER & M. HÖFTE (Ghent University, Gent, Belgium)

- Lignin enhances mycoparasitism of sclerotia of *Rhizoctonia solani* and *Botrytis cinerea*.

P023 **H. HUVENNE**, E. MESSENS & M. MAES (Institut for Agricultural and Fisheries Research, Merelbeke, Belgium)

- Watermark disease in willow: *Brenneria salicis* population density determines disease expression.

P024 **S. DEBNATH** & P.K. BARUAH (Tocklai Experimental Station Jorhat, Assam, India)

- Influence of meteorological factors on seasonal incidence of blister blight disease of tea (*Camellia sinensis* (L.) O. Kuntze) in North East India.

P025 **H. YOUNESI**, D. SAFAEE & M. SHEIKHOESLAMI (Agricultural and Natural Resources Research Center, Kermanshah, Iran)

- Phenology of *Didymella rabeie* on chickpea debris in the west of Iran.

P026 **M.R. NAJAFI** (Tirtash Tobacco Research Institute, Behshahr, Iran)

- Evaluation of tobacco cultivar resistance to downey mildew (Blue mould).

P027 **C. SKRZYPCZAK** (Research Institute of Pomology and Floriculture, Skierniewice, Poland)

- Occurrence of downy mildews on ornamental plants and their control by chemical compounds.

POSTERS

- P028 **H. SAREMI**, M.H. DAVOODVANDY & A. AMARLOU (Zanjan University, Zanjan, Iran)
- Introduction a potato cultivar "sprit" as relatively resistant to main fungal pathogens causal agents of early blight and wilting on potato in Iran.
- P029 **M. KALLAI**, G. CSITARI, E. SIPOS & Z. POLGAR (University of Pannonia, Keszthely, Hungaria)
- Examination of resistance of potato genotypes to *Erwinia* sp.
- P030 **A. MOH**, S. MASSART, R. LALHALI & M.J. JIJAKLI (Faculté Universitaire des Sciences Agronomiques, Gembloux, Belgium)
- Predictive modelling of the combined effect of temperature and water activity (aw) on the in vitro growth of *Erwinia* spp. infecting potato tubers in Belgium.
- P031 **S.S. EL-AMMARI** & G.I. FADIEL (University of Garyounis, Libya)
- Susceptibility of indoor cucumbers to *Erysiphe cichoracearum* and its chemical control in Al-Jabal- Al-Akter, Libya.
- P032 **J. NAWROCKI** (Agricultural University of Cracow, Poland)
- Effectiveness of some substances in the control of carrot and parsley roots against fungal diseases.
- P033 **R. SHARIFI**, M. GOLMAKANI, H. KIANI & M. AHMADZADEH (University of Tehran, Karaj, Iran)
- Evaluation of four essential oil and thiabendazol for their toxicity against aflatoxin producing *Aspergillus flavus*.
- P034 **K. DEWITTE**, L. LATRÉ & G. HAESAERT (University College Ghent, Gent, Belgium)
- Chemical control of *Colletotrichum acutatum* occurring on *Lupinus albus*.
- P035 **Y. MUHOVSKI**, M. DUCOUROUBLE, A. DEKEYSER & J-M. JACQUEMIN (Walloon Agricultural Research Centre, Gembloux, Belgium)
- Identification of wheat defence and stress-related genes in response to *Fusarium* infection.
- P036 **H. CHIKH-ROHOU**, J.M. ALVAREZ & R. GONZALEZ-TORRES (Unidad de Sanidad Vegetal, Zaragoza, Spain)
- Differential interaction among melon cultivars and Race 1.2 of *Fusarium oxysporum* f.sp. *melonis*.
- P037 **F. FOTOOHYAN**, R. ZARE, H.M. ZAMANIZADEH & M.R. MIRZAEI (Jiroft Islamic Azad University, Iran)
- *Fusarium* species associated with cucumber in Jiroft region.

POSTERS

- P038 **I. BERNOOSI**, A. MAROUFI, M. MOHSEN, G. MOHAMMAD REZAY, M. MAN-SOUR & Y. BAHMAN (University of Urmia, Urmia, Iran. ILVO Plant Unit, Melle, Belgium. University of Tehran, Karaj, Iran)
- The use of the area under disease-progress curve (AUDPC) to assess Fusarium head blight resistance in wheat
- P039 **H. SAREMI**, S.M. OKHOVAT & S.J. ASHRAFI (Zanjan University, Zanjan, Iran)
- *Fusarium* wilt of date palm branches in south of Iran and its control managements with soil solarisation method.
- P040 **H.R. ALIZADEH**, A. SHARIFI-TEHRANI & GH.A. HEJAROUDE (Sahid-Bahonar University, Kerman, Iran and Tehran University, Tehran, Iran)
- Comparative efficacy of chemical versus biological control of gray mould disease of strawberry.
- P041 **M.R. NAJAFI**, R.A. MAHTABI, H. KHATERI, A. RAHBARI & S.A. DALILII (Tir-tash Tobacco Research Institute, Behshahr, Iran)
- Collar rot disease in tobacco seedbeds of Mazandaran and Golestan provinces (North of Iran) and its chemical control.
- P042 **A. ROUSTAEI**, N. NASROLLAHI, S. SHAFIZADEH A.A. SADAT NOORI (University of Tehran, Karaj, Iran)
- Influence of salinity as stress factor in charcoal rot diseases of melon (*Macrophomina phaseoli*).
- P043 **I. CSÖNDES**, S. KADLICKO & R. GABORJANYI (Pannon University, Keszthely, Hungary)
- Effect of different temperature and culture media on the growth of *Macrophomina phaseolina*.
- P044 **N. ALE-AGHA**, H. PFANZ, G.B. FEIGE & M. BRASSMANN (University of Duisburg-Essen, Essen, Germany)
- Survey of micro fungi on *Alnus glutinosa* (L.) Gaertn. from Münsterland NRW
- P045 **N. ALE-AGHA**, M. JENSEN, S.C.W. KOEPPEN, R. KRICKE & M. HERMES (University of Duisburg-Essen, Essen, Germany)
- Remarkable microfungi from Oaxaca (Mexico) of *Acacia* species.
- P046 **A. SIAH**, C. DEWEER, P. REIGNAULT & P. HALAMA (Institut Supérieur d'Agriculture, Lille, France)
- Two *Mycosphaerella graminicola* French isolates differ in symptoms, *in planta* sporulation and cell wall degrading enzymes *in vitro* production

POSTERS

- P047 **E. LAHOZ**, R. CAIAZZO, A. FANIGLIULO, S. COMES & A. CRESCENZI (C.R.A. SCAFATI, Scafati, Italy)
- *Phoma glomerata* as causal agent of crown rot disease of fennel in Southern Italy.
- P048 **M. DAVARI**, B. HAJIEGHRARA, A. JAVADI & B. ASGARI (University of Mo-haghegh, Ardabili, Iran)
- *Phoma negriana*: a new invasive pathogen for Moghan's vineyards, Iran.
- P049 **I. DEDOBBELAERE**, K. HEUNGENS & M. MAES (Institute for Agricultural and Fisheries Research, Merelbeke, Belgium)
- Susceptibility of *Rhododendron* species and hybrids to *Phytophthora ramorum*.
- P050 **S. SCHMITZ**, J. ZINI & A. CHANDELIER (Walloon Agricultural Research Centre, Gembloux, Belgium)
- Involvement of *Phytophthora* species in the decline of beech (*Fagus sylvatica*) in Wallonia.
- P051 **L.B. ORLIKOWSKI**, A. TRZEWIK A.T. ORLIKOWSKA (Research Institute of Pomology and Floriculture, Skierniewice, Poland)
- *Phytophthora citricola* associated with nursery reservoirs, rivers and drainage canals and occurrence of tip blight of *Picea omorika*.
- P052 **M. FARZANEH**, A. SHARIFI-TEHRANI, M. AHMADZADEH & J. ZAD (University of Tehran, Karaj, Iran)
- Biocontrol of *Phytophthora cactorum* the causal agent of root and crown rot on apple (*Malus domestica*) by formulated *Pseudomonas fluorescens*.
- P053 **A. VERCAUTEREN**, K. HEUNGENS & M. MAES (Instituut voor Landbouw- en Visserijonderzoek, Merelbeke, Belgium)
- Mating type of Belgian *Phytophthora ramorum* isolates.
- P054 **A. LA TORRE**, **G. SPERA**, M. GIANFERRO & M. SCAGLIONE (CRA, Plant Pathology Institute, Rome, Italy)
- More years of field trials against *Plasmopara viticola* in organic viticulture.
- P055 **A.P. SHIVAKUMARA**, **V.B. NARGUND**, A.G. SREENIVAS, S.A. HIREMATH & K.T. VENDAN (University of Agricultural Sciences, Bheemarayanagudi, Karnataka, India)
- Post-harvest disease of chilli and the management.
- P056 **M. FARZANEH**, H. RANJBAR, J. HADIA & M.H. MIRJALILI (University of Tehran, Tehran. Gilan University, Rasht. Shahid Behshti University, Tehran, Iran)
- Biocontrol of some post-harvest diseases of strawberry fruit by essential oils.

POSTERS

- P057 **B. VORSTERMANS** & P. CREEMERS (Proefcentrum Fruitteelt vzw, Sint-Truiden, Belgium)
- Screening pre-harvest/post-harvest strategies to prevent fruit rot decay.
- P058 **K. HAUKE**, S. VAN LAER, A. VAN MECHELEN, B. VORSTERMANS & P. CREEMERS (Proefcentrum Fruitteelt vzw, Sint-Truiden, Belgium)
- Evaluation of the users of salts against apple scab and powdery mildew for the integrated fruit production.
- P059 M.R. MIRZAEI, **M.R. SAFERNEJAD** & M. MOHAMMADI (Plant Pest and Disease Research Institute, Birjand, Iran)
- A new report of pre-harvest ear rot of corn caused by *Geotrichum candidum* from Iran.
- P060 **M. ZAMANI**, A. SHARIFI-TEHRANI & A.A. ALIABADI (Tehran University, Karaj, Iran)
- Evaluation of production of some antifungal metabolites by fluorescent *Pseudomonads* in vitro and their inhibitory effect on *Penicillium digitatum* in semi commercial condition.
- P061 **K. DE MAEYER**, J. D'AES, M. PERNEEL, K. DE JONGHE & M. HÖFTE (Ghent University, Gent, Belgium)
- Effect of a gac mutation on the biocontrol capacity of *Pseudomonas* CMR12a and CMR5c against oomycetes on tomato and cocoyam.
- P062 H. AFSHARMANESH, **M. AHMADZADEH**, A. SHARIFI-TEHRANI, M. JAVAN-NIKKHAH & K. GHAZANFARI (Tehran University, Karaj, Iran)
- Detection of pHID gene in some fluorescent *Pseudomonads* isolated from Iran and its relative with antifungal activities.
- P063 **G. KARIMI KURDISTANI**, N.A. MOZAFARI & B. HARIGHI (University of Kurdistan, Sanandaj, Iran)
- Phenotypic and molecular properties of *Pseudomonas syringae* pv. *syringae* the causal agent of bacterial cancer of stone fruit trees in Kurdistan province.
- P064 S. PEIGHAMY-ASHNAEI, **A. SHARIFI-TEHRANI**, M. AHMADZADEH & K. BEHBOUDI (University of Tehran, Karaj, Iran)
- Effect of carbon and nitrogen sources on growth and biological efficacy of *Pseudomonas fluorescens* and *Bacillus subtilis* against *Rhizoctonia solani*, the causal agent of bean damping-off.
- P065 **M. AHMADZADEH**, S. BEHNAM, S. SHARIFI-TEHRANI & GH.A. HEDJAROUDE (University of Tehran, Karaj-Iran)
- Effect of timing of application *Pseudomonas fluorescens* in suppression *Sclerotinia sclerotiorum*, the causal agent of white mould in canola.

POSTERS

- P066 **S. TARIGHI** & P. CORNELIS (Vrije Universiteit Brussel, Brussel, Belgium)
- The *fqsM* gene is important for the fitness and quorum sensing in *Pseudomonas syringae*.
- P067 **A.T. WOJDYLA** (Research Institute of Pomology and Floriculture, Skierniewice, Poland)
- Influence of strobilurin compounds on the development of *Puccinia horiana*.
- P068 **A. KERKENI**, M. DAAMI-REMADI, N. TARCHOUN & M. BEN KHEDHRER (High Agronomic Institute of Chott Mariem, Sousse, Tunisia)
- In vitro and in vivo suppression of *Pythium ultimum* by compost-isolated fungi.
- P069 **M. KHODASHENAS**, S.M. OKHOVVAT, M. MIRABOLFATHI & M. KAFI (University of Tehran, Karaj, Iran)
- Identification and comparative pathogenicity of *Pythium* species on three turf grass species in Tehran province.
- P070 **H. KURZAWINSKA** & S. MAZUR (University of Agriculture, Krakow, Poland)
- The effect of *Pythium oligandrum* and chitosan used in control of potato against late blight on the occurrence of fungal diseases and tuber peel.
- P071 **F. PADASHT-DEHKAEI**, S.M. OKHOVVAT & M. JAVAN-NIKKHAH (Tehran University, Karaj, Iran)
- Investigation on the resistance source to sheath blight disease in some Iranian rice cultivars.
- P072 **R. LAHLALI** & M.H. JIJAKLI (Faculté Universitaire des Sciences Agronomiques de Gembloux, Gembloux, Belgium)
- Isolation and evaluation of bacteria and fungi as biological control agents against *Rhizoctonia solani*.
- P073 **P. TAHERI** & M. HÖFTE (Ghent University, Gent, Belgium)
- Induction of systemic defence responses in rice against the sheath blight pathogen *Rhizoctonia solani*, by means of riboflavin.
- P074 **B. HEREMANS**, A. GARRIDO SEPULVEDA & G. HAESAERT (University College Ghent, Ghent, Belgium)
- Study of aggressiveness of *Rhizoctonia solani* isolates.
- P075 **B. ASSELBERGH**, K. CURVERS, S. FRANCA, F. VAN BREUSEGEM, F. VAN GIJSEGEM & M. HÖFTE (Ghent University, Ghent, Belgium)
- Effect of acid on tomato defence responses to necrotrophic pathogens

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- P076 M. ZAMANI, M. FARZANEH, A. SHARIFI-TEHRANI & J. HADIAN (Tehran University, Karaj, Iran)
- A study on antifungal activity of some plant essences in control of *Rhizopus stolonifer* caused agent of strawberry grey rot.
- P077 S. BEHNAM, M. AHMADZADEH, A. SHARIFI-TEHRANI, GH.A. HEDJAROUDE & M. FARZANEH (University of Tehran, Karaj, Iran)
- Biological control of *Sclerotinia sclerotiorum* (Lib.) de Bary, the causal agent of white mould, by *Pseudomonas* species on Canola petals.
- P078 V. KHOSRAVI, J. ZAD, G.A. JEDJAROUDE & S.M. OKHOVVAT (Rice Research Institute, Amol, Iran)
- Seed-borne fungi of rice seed component in Mazandaran province, Iran.
- P079 L. JOLLING, S. VAN LAER & P. CREEMERS (Proefcentrum Fruitteelt vzw, Sint-Truiden, Belgium)
- Baseline sensitivity of the Belgian *Stemphylium* isolates for the different fungicides authorized in Belgian pear growth.
- P080 M. BARGNIL, M. JAVANNIKHAH, Gh. HEDJAROUD & M. OKHOVVAT (University of Tehran, Karaj, Iran)
- Fertility status and mating type distribution of Magnaporthe grisea from non rice hosts in Iran
- P081 A. SAJJADI, R. ZARE, H. BEHBODI, H. ASSEMI & M. NAJJAFI (University of Tehran, Karaj, Iran)
- Isolation and identification *Trichoderma* spp. from tobacco seedbed in Mazandaran province.
- P082 R. FIACCADORI, E. CICOGNANI, M. COLLINA & A. BRUNELLI (University of Bologna, Bologna, Italy)
- Studies on sensitivity of *Venturia inaequalis* populations to anilinopyrimidine fungicides.
- P083 O. IORDANESCU, R. MICU, I. ANGELACHE, J. HELSEN, N. NICORICI, C. CALIN, A. BLIDARU, G. SIMERIA, E. DRAGANESCU, A. VERBERNE & R. AERTS (Katholieke Hogeschool Kempen Campus HIK, Geel, Belgium)
- Controlling *Venturia inaequalis* (Cke) Wint in the Romanian Banat's region.
- P084 A. ALIZADEH, M.A. SAMIH & H. IZADI (Vali-E-Asr University, Rafsanjan, Iran)
- Compatibility of *Verticillium lecanii* (Zimm.) with several pesticides.

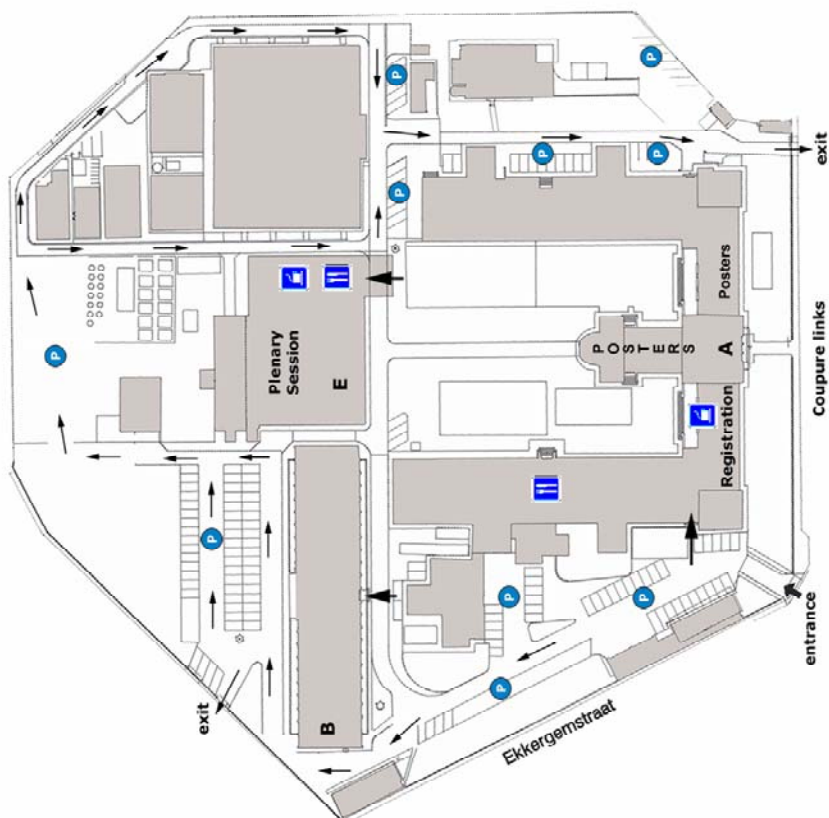
POSTERS

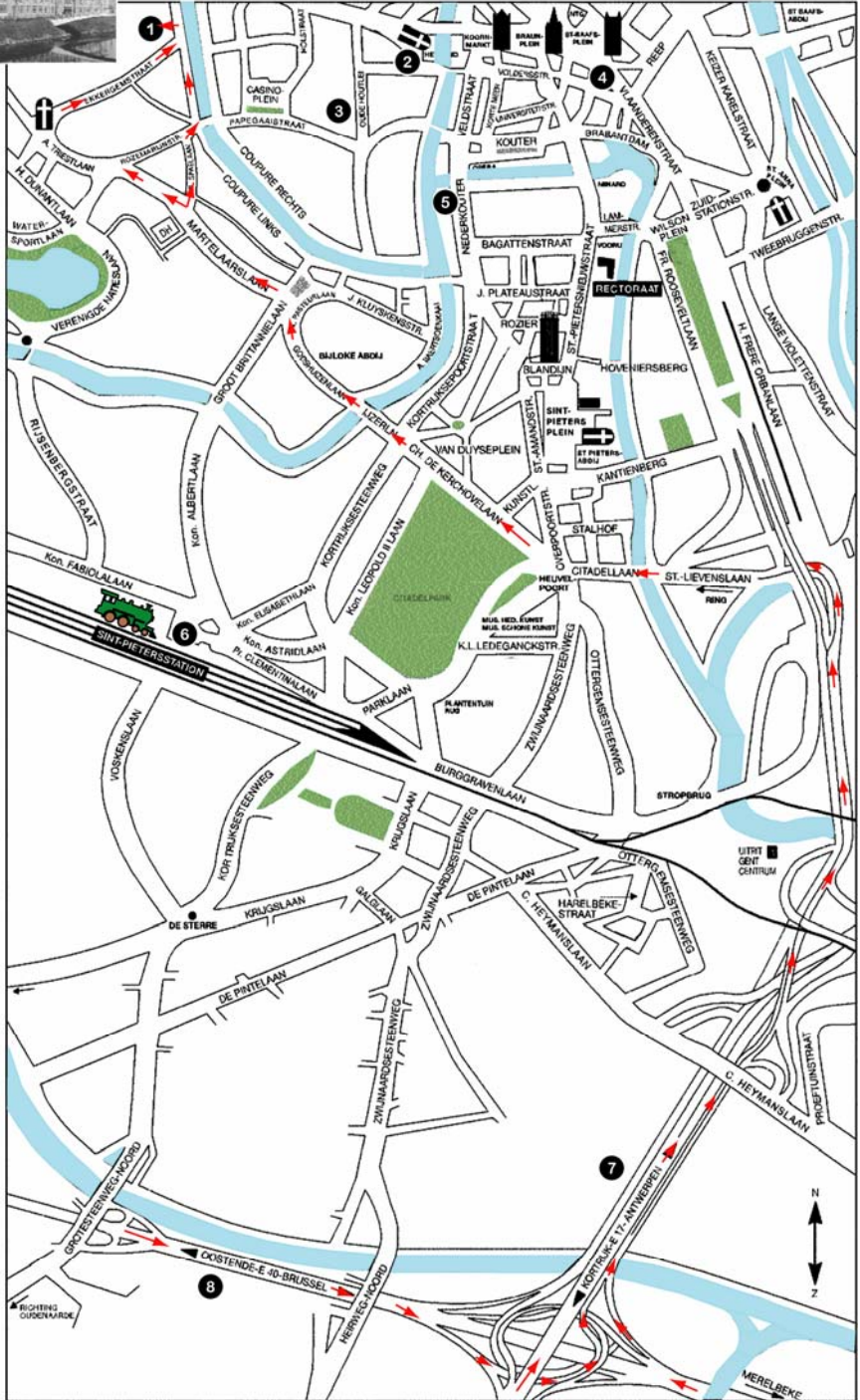
- P085 **A. ROUSTAEI** (University of Tehran, Karaj, Iran)
- Study of interaction between plant nutrition (N, P, K and Ca) and verticilliosis wilt disease (*Verticillium dahliae*) in cucumber.
- P086 **K.P. KORNEV**, E.SH. PEKHTEREVA, A.N. IGNATOV, E.V. MATEEVA & N.W. SCHAAD (Russian Research Institute of Phytopathology, Moscow Region, Russia. USDA-ARS, Detrick, USA)
- Identification and characterization of *Xanthomonas vesicatoria* in tomato plants in Russian federation.
- P087 **A.N. IGNATOV**, K.P. KORNEV, E.S. MAZURIN, F.S. DJALILOV, E.V. MATVEEVA & N.W. SCHAAD (Russian Research Institute of Phytopathology, Moscow Region, Russia. USDA-ARS, Detrick, USA)
- Identification and characterization of *Xanthomonas campestris* pv. *campestris* on brassicas in Russian Federation.
- P088 A. FANIGLIULO, R. PACELLA, S. COMES & **A. CRESCENZI** (Università degli Studi della Basilicata, Potenza, Italy)
- Three years survey of Tomato yellow leaf curl Sardinia virus reservoir weed hosts in southern Italy.
- P089 **G. PARRELLA** & E. RAGOZZINO (Istituto per la Protezione delle Piante del CNR, Portici, Italy)
- Biological and molecular characterization of Alfalfa mosaic virus isolate from *Viburnum tinus* L.
- P090 **C. SSEKYEWA**, P.L.J. VAN DAMME & M. HÖFTE (Ghent University, Gent, Belgium and Uganda Martyrs University, Kampala, Uganda)
- Relationship between tomato yellow leaf curl viruses and the whitefly vector.
- P091 **M. KOOHI HABIBI**, B. ROHANI, Gh. MOSAHEBI & N. HAMZEH (University of Tehran, Karaj, Iran)
- Occurrence and distribution of bean yellow mosaic virus in Gladiolus fields of Tehran and Isfahan provinces.
- P092 **B. ROHANI**, M. KOOHI HABIBI & Gh. MOSAHEBI (University of Tehran, Karaj, Iran)
- Occurrence and distribution of bean yellow mosaic virus and pea seed mosaic viruses in Faba bean fields in different provinces of Iran
- P093 **M. PEYAMBARI**, M. KOOHI-HABIBI, Gh. MOSAHEBI & K. IZADPANAHI (Tehran University, Karaj, Iran)
- Navy bean KS-41245: A tolerant genotype to bean Common mosaic virus (BCMV - Potyviridae).

POSTERS

- P094 **S. MOSTAFAE**, Gh. MOSAHEBI & M. KOOHI-HABIBI (University of Tehran, Karaj, Iran)
- A study on Cucumber mosaic virus the main virus of pepper in Tehran.
- P095 **E. MOHAMMADI**, M. KOOHI-HABIBI & Gh. MOSAHEBI (University of Tehran, Karaj, Iran)
- Distribution and characterization of Johnson grass chlorotic mosaic virus in Tehran province.
- P096 **M.R. MOHAMMADI**, M. KOOHI-HABIBI & B. HAJIEGHRARI (Islamic Azad University of Varamin, Varamin, Iran)
- Study on sugarcane mosaic virus occurrence in sorghum fields and its pathogenicity on sorghum cultivars in Iran.
- P097 **N. MOARREFZADEH**, H. KHATERI, M. KOOHI-HABIBI, Gh. MOSAHEBI & A. HOSSEINI (Tirtash Research and Education Center, Mazandaran, Iran)
- First report on the occurrence of TRSV and study of the distribution of TSWV in the tobacco fields of Iran.
- P098 **N. KHOSHKHATTI**, M. HABIBI KOOHI & Gh. MOSAHEBI (University of Tehran, Karaj, Iran)
- Occurrence of Celery mosaic virus in Iran (Tehran province).
- P099 **S. HOSSEINI FARHANGI**, **Gh. MOSAHEBI** & M. KOOHI HABIBI (University of Tehran, Karaj, Iran)
- Occurrence and distribution of sunflower viruses in Iran.
- P100 **F. HEIDARI**, **M. KOHI-HABIBI**, Gh. MOSAHEBI, M. HAMZEH & K. GHAZANFARI (Tehran University, Karaj, Iran)
- Detection of Varicosa virus on Ophio virus in lettuce associated with lettuce big-vein symptoms in lettuce fields in Tehran province.
- P101 **Y. NEREY**, H.P. HERNANDEZ, M. DIAZ, R. ESPINOSA, L. HERRERA, S. VAN BENEDEEN, J. PANNECOUCQUE & M. HÖFTE (Central University 'Marta Abreu', Las Villas, Cuba and Ghent University, Gent, Belgium)
- Identification of *Rhizoctonia* spp. isolates associated with *Phaseolus vulgaris* L. in Cuba.

| Section | Topic | Blok (Building) | Floor | Room No |
|-------------------|--|-----------------|--------|---------|
| Session | | | | |
| PS | Plenary Session | E | ground | |
| Special Section | Formulations of Pesticides | E | first | 015 |
| 1 | Application Technology and Pesticide Exposure | E | second | 010 |
| 2 | Ecotoxicology | E | second | 010 |
| 3 | Herbology | E | first | 015 |
| 4 | Entomology | E | first | 012 |
| 5 | Nematology | E | second | 009 |
| 6 | Phytopathology | A | second | 025 |
| 7 | Biological and Integrated Control | A | first | 015 |
| Posters | | | | |
| Posters A001-A026 | Application Technology (Eco)-Toxicology and Residues | A | ground | A027 |
| Posters H001-H014 | Herbology | A | ground | A027 |
| Posters E001-E053 | Entomology | A | ground | A027 |
| Poster N001-N015 | Nematology | A | ground | A027 |
| Posters P001-P101 | Phytopathology | A | ground | A027 |





1. Faculty Symposium
2. Banquet (Het Pand)
3. Hotel Monasterium PoortAckere
4. Hotel Ibis Centrum

5. Hotel Ibis Opera
6. Railway station Gent Sint-Pieters
7. Highway E17 - Kortrijk-Antwerpen
8. Highway E40 - Oostende-Brussel